

What is claimed is:

- 1 1. A method for playing audio programming during video trick mode playback
2 of a video presentation, the method comprising:
3 reading coded digital data comprising video frames and corresponding audio
4 frames;
5 periodically dropping selected blocks of said audio frames; and
6 interspersing periods of silence between at least some of the blocks
7 remaining after said dropping step to form a signal for audio playback.
- 1 2. The method according to claim 1, comprising a further step of:
2 controlling said dropping and said interspersing steps to maintain an audio
3 playback rate of between about 1X and 1.5X.
- 1 3. The method according to claim 1, comprising a further step of:
2 controlling said dropping and said interspersing steps for audio
3 playback of approximately 1X for any video trick mode playback speed.
- 1 4. The method according to claim 1, wherein said delineating step comprises
2 the step of:
3 selecting said periods of silence by at least one of muting a portion of said
4 remaining set of blocks for audio playback, and inserting a plurality of audio
5 frames coded to represent silence.
- 1 5. The method according to claim 1, wherein said delineating step further
2 comprising generating an audio playback signal corresponding to silence for audio
3 playback during said periods of silence.
- 1 6. The method according to claim 1, wherein said selecting step includes:
2 selecting said remaining set of blocks for audio playback in
3 accordance with a selected speed of said video trick mode.
- 1 7. The method according to claim 1, wherein said delineating step comprises:
2 selecting said periods of silence of predetermined duration.

1 8. The method according to claim 7 wherein said periods of silence selected in
2 said delineating step have a duration of at least 100 milliseconds.

1 9. The method according to claim 1, wherein said storage medium of reading
2 step is selected from the group consisting of a DVD, a magneto optical disk, a
3 magnetic hard disk, a video CD and a solid state memory device.

1 10. The method according to claim 1 wherein said coded digital data of reading
2 step has an MPEG format and said reading step further comprises decoding an
3 MPEG formatted bit stream to obtain audio samples.

1 11. An apparatus for playing audio content accompanying video trick mode
2 playback of a video program, comprising:

3 a storage medium reader for reading coded digital data from a storage
4 medium, said coded digital data representing video frames and corresponding
5 audio data; and,

6 a control processor for selecting blocks of said corresponding audio data to
7 be dropped periodically, and for selecting at least a portion of said blocks
8 remaining for audio playback, and said control processor controllably inserting
9 periods of silence between ones of said remaining blocks for audio playback.

1 12. The apparatus according to claim 11, wherein said control processor
2 selecting a portion of said blocks remaining for audio playback at a rate of
3 between about 1X and 1.5X, independent of said video trick mode playback speed.

1 13. The apparatus according to claim 11, wherein said periods of silence are
2 formed by at least one of muting a portion of said remaining set of blocks for audio
3 playback, and inserting audio data representative of silence.

1 14. The apparatus according to claim 11, further comprising an audio decoder
2 and an audio digital to analog converter for generating an audio playback signal
3 corresponding to said remaining set of blocks for audio playback and said periods
4 of silence.

1 15. The apparatus according to claim 11, wherein said control processor
2 controls said periodic dropping of said corresponding audio data in accordance
3 with a selected speed of said video trick mode.

1 16. The apparatus according to claim 15, comprising a storage medium location
2 containing audio data representative of silence wherein said control processor
3 controls reading of said storage medium location containing audio data
4 representative of silence for a predetermined time duration for combining with
5 said remaining set of blocks for audio playback.

1 17. The apparatus according to claim 11 wherein said periods of silence have a
2 duration between 100 and 300 milliseconds.

1 18. The apparatus according to claim 11, wherein said storage medium is
2 selected from the group consisting of a DVD, a magneto optical disk, a magnetic
3 hard disk, a video CD and a solid state memory device.

1 19. The apparatus according to claim 11 wherein said coded digital data is an
2 MPEG format and said storage medium reader comprises a decoder for an MPEG
3 formatted bit stream.

1 20. A method for playing audio programming during video trick mode playback
2 of a video presentation, the method comprising:

3 reading coded digital data from a storage medium, said coded digital data
4 comprising video frames and corresponding audio data;

5 periodically dropping selected blocks of said audio data, and selecting at
6 least a portion of blocks remaining for audio playback; and

7 inserting audio data representative of silence between ones of said portion
8 of remaining blocks for audio playback.